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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/718,518	11/24/2003	Akiko Saito	245685US0SRD CONT	1973
22850 75	590 10/03/2005		EXAMINER	
OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C. 1940 DUKE STREET			DOERRLER, WILLIAM CHARLES	
ALEXANDRIA			ART UNIT	PAPER NUMBER
			3744	

DATE MAILED: 10/03/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)	
	10/718,518	SAITO ET AL.	
Office Action Summary	Examiner	Art Unit	
	William C. Doerrler	3744	
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the c	orrespondence addi	ress
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period versiliure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from the cause the application to become ABANDONE	N. nely filed the mailing date of this com D (35 U.S.C. § 133).	-,
Status			
Responsive to communication(s) filed on This action is FINAL . 2b)⊠ This Since this application is in condition for allower closed in accordance with the practice under E	action is non-final.		nerits is
Disposition of Claims		•	
4) Claim(s) 9-32 is/are pending in the application. 4a) Of the above claim(s) is/are withdray 5) Claim(s) is/are allowed. 6) Claim(s) 9-32 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or Application Papers 9) The specification is objected to by the Examine 10) The drawing(s) filed on 24 November 2003 is/are Applicant may not request that any objection to the or Replacement drawing sheet(s) including the correction 11) The oath or declaration is objected to by the Examine 11) The oath or declaration is objected to by the Examine 11) The oath or declaration is objected to by the Examine 11) The oath or declaration is objected to by the Examine 11) The oath or declaration is objected to by the Examine 11 The oath or declaration is objected to by the Examine 11 The oath or declaration is objected to by the Examine 11 The oath or declaration is objected to by the Examine 12 The oath or declaration is objected to by the Examine 13 The oath or declaration is objected to by the Examine 14 The oath or declaration is objected to by the Examine 15 The oath or declaration is objected to by the Examine 15 The oath or declaration is objected to by the Examine 15 The oath or declaration is objected to by the Examine 15 The oath or declaration is objected to by the Examine 15 The oath or declaration is objected to by the Examine 15 The oath or declaration is objected to by the Examine 15 The oath or declaration is objected to by the Examine 15 The oath or declaration is objected to by the Examine 15 The oath or declaration is objected to by the Examine 15 The oath or declaration is objected to by the Examine 15 The oath or declaration is objected to by the Examine 15 The oath or declaration is objected to by the Examine 15 The oath or declaration is objected to by the Examine 15 The oath or declaration is objected to by the Examine 15 The oath or declaration is objected to by the Examine 15 The oath or declaration is o	vn from consideration. r election requirement. r. re: a)⊠ accepted or b)□ object drawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e 37 CFR 1.85(a). jected to. See 37 CFR	1.121(d).
Priority under 35 U.S.C. § 119	•		
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau * See the attached detailed Office action for a list of	s have been received. s have been received in Application ity documents have been received (PCT Rule 17.2(a)).	on No ed in this National St	tage
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P	nte	52)
Paper No(s)/Mail Date <u>৭-১৮-৩</u> ٢	6) Other:		

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DETAILED ACTION

Priority

Acknowledgment is made of applicant's claim for foreign priority under 35 U.S.C. 119(a)-(d). The certified copy has been filed in parent Application No. 10-098,568, filed on 3-18-2002. *Double Patenting*

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

Claims 9-20 are rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-11 of U.S. Patent No. 6,676,772. Although the conflicting claims are not identical, they are not patentably distinct from each other because the current claims are merely obvious methods of using previously claimed substances. The earlier claims claim a material for use in a magnetic refrigeration system. The current claims claim a method of refrigeration which places the same material as patented in the earlier claim in a cyclic magnetic field. Magnetic refrigeration requires a changing magnetic field to function. Therefore one of ordinary skill in the art would consider it obvious to use the previously claimed magnetic

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refrigeration material in a magnetic refrigeration device, which inherently possesses a changing magnetic field to enable the magnetic refrigeration material to function as

desired.

Claims 21-32 are rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-11 of U.S. Patent No. 6,676,772 in view of Clark. Applicants' prior patent claims the same inventive concept, a magnetic material for use as the working substance in a magnetic refrigerator, with the material having an inflection point at which the sign of the second derivative of magnetization with respect to an applied magnetic field changes from positive to negative, substantially as claimed with the exception of using the material in an apparatus for performing magnetic refrigeration which moves the material past a permanent magnet. Clark shows permanent magnets which are moved relative to a magnetic material in a refrigeration system. It would have been obvious to one of ordinary skill in the art at the time of applicants' invention to use the material of applicants' early patent in a magnetic refrigeration system which moves a permanent magnet in relation to the magnetic material to provide an efficient roo temperature magnetic cooling system.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Okamura et al, both Gschneidner et al patents, Horimura et al, Fukamichi and Barclay '135 and '463 have been cited in the parent application. Zimm

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et al, Hakuraku and Barclay et al '914 show magnetic refrigeration systems. Ziolo et al shows a magnetic refrigeration material.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to William C. Doerrler whose telephone number is (571) 272-4807. The examiner can normally be reached on Monday-Friday 6:30-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cheryl Tyler can be reached on (571) 272-4834. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

William C Doerrler Primary Examiner Art Unit 3744

WCD